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What is claimed is:

- 1. A method of delivering a viral vector to a subject comprising, administering a composition comprising poly (maleic anhydride-alt-1 octadecene) and the viral vector to the subject.
- 2. The method of claim 1, wherein the poly(maleic anhydride-alt-1 octadecene) is substituted with 3-(dimethylamino) propylamine.
- 3. The method of claim 1, wherein the composition further comprises a water soluble polymer.
- 4. The method of claim 1, wherein the composition further comprises a salt.
- 5. The method of claim 1, wherein the composition further comprises a sugar or sugar derivative.
- **6**. The method of claim **5**, wherein the sugar or sugar derivative is selected from group consisting of: glucose, dextrose, fructose, lactose, maltose, xylose, sucrose, com sugar syrup, sorbitol, hexitol, maltilol, xylitol, mannitol, melezitose, raffinose, and combinations thereof.

- 7. The method of claim 1, wherein the composition is administered orally to the subject.
- $\bf 8$. The method of claim $\bf 1$, wherein the composition is in liquid form.
- **9**. The method of claim **8**, wherein the composition is formed by dispersing the viral vector within a solution of poly(maleic anhydride-alt-1 octadecene) at ambient temperatures to form a mixture.
- 10. The method of claim 1, wherein the composition is in dry form.
- 11. The method of claim 10, wherein the dry form is an amorphous, substantially solid film, which is soluble in an aqueous solution.
- 12. The method of claim 10, wherein the composition is produced by a method comprising:
 - (i) dispersing the viral vector within an aqueous solution comprising the poly(maleic anhydride-alt-1 octadecene); and
 - (ii) drying the solution.